

SWARCer News

July 7, 2015



Public Service Through Amateur Radio

South Wake ARC's primary purpose is to further the Amateur Radio Service through programs, activities, and education, in order to promote the radio knowledge, fraternalism and individual operating efficiency of our members. Further, it shall be our purpose to support the welfare of our community through public service including radio communications for emergency situations and public events, and through providing information, training, and assistance to individuals or organizations with an interest in the Amateur Radio Service.

Board of Directors

A meeting of the Board of Directors (the "**Board**") of the South Wake Amateur Radio Club, a North Carolina organization (the "**Club**"), was held on June 19, 2015 at 6:30 p.m., Eastern Standard Time at the Golden Corral in Fuquay-Varina, North Carolina.

Directors Present

President	KA0GMY
Steve Mowels	
Vice President	NW3U
Dave Krum	
Secretary	KM4KUT
Nancy Butterfield	
Treasurer	KJ4AEO
Christy Fernandini	
Membership Director	NC4RA
Ryan Avery	
Member-at-Large	W4TAR
Tim Ruffin	
Member-at-Large	KD4OKR
Mike Ramsey	
Member-at-Large	KA0IRG

John Lockhart

Appointed Positions Present

Public Service Director KK4OSI
Kenn Kubacki

Club Members Present

Ms. Gloria

Guests Present

Miss Penny (NW3U's wife)

Call to Order

KA0GMY-Steve called the meeting to order at 6:55 p.m. Eastern Standard Time, and KM4KUT-Nancy recorded the minutes. A quorum of directors was present, and the meeting, having been duly convened, was ready to proceed with business.

1. Welcome & Opening Remarks

Board of Directors continued



Club News and World (LOCAL) Events

Hi everyone as the new editor of the club newsletter I want everyone to know what to expect. I am hoping to have the newsletter out the first weekend after the club meeting. So if you have information you want included then I will need it that weekend. If you take part in a special event the write it up and submit it along with some pictures. We will be happy to include your articles. If you would like to write about something going on in the club (good or bad) we will be happy to include your article. Please remember this is your newsletter and your contributions are appreciated.

KD4OKR will have the tickets printed.

Tickets will be sold for \$5 each

Drawing will be held at the club's

Christmas gathering

Club approval is required for the official purchase of the radio.

Equipment Donation to SWARC

W4TAR Tim has donated approximately \$2000 worth of television equipment (cameras and monitors) to be used for ATV. All proceeds to be donated to the club.

South Wake Field Day

Motion made and seconded and approved for a Field Day budget of \$500 Receipts for purchases should be submitted to NW3U Dave, Field Day Chair, for reimbursement

Membership

Motion made and seconded/ approved for a 1 year *Honorary Membership* effective July 1, 2015 for WD4LCW Larry Ward for his contributions to SWARC

Club Meeting Schedule with Meals for 2015 - 2016

07/16/2015 potluck
08/03/2015 burgers & dogs on the grill
members provide sides
09/14/2015 fall picnic featuring Chef Ryan
NC4RA members provide side
10/05/2015 Spaghetti dinner featuring the
talents of KI4YXO Gino of
course sides by members
11/02/2015 Thanksgiving Ham with
members providing sides
12/05/2015 Social gathering with heavy
hors d'oeuvres (potluck)

01/04/2016 chili cook-off

02/01/2016 Pizza with club auction

03/07/2016 tacos

04/04/2016 Pot Luck

05/02/2016 Spring Picnic

06/06/2016 Pizza / Elections

07/11/2016 Lasagna

UPDATES & ACTION ITEMS FROM THE BOARD & APPOINTED POSITIONS

NW3U Dave (Vice President)

Talked about Field Day setup and the GOTA station

July meeting program: QRP by AB4PP

August meeting program :

SEM-CERT/ State Coordinator

September meeting will not have a due to the fall picnic

KM4KUT Nancy (Recording Secretary)

attendance will be take at the club meetings

KM4KUT Nancy will be putting together a proposal from various local screen printing shops for phase 1 of Operation

SWARC Swag: club t-shirts

KK4OSI Kenn will look into retrieving the club logo design template for use with the SWARC Swag project

KJ4AEO Christy (Treasurer)

prepared the SWARC Expenditure Report for the past year

NC4RA Ryan (Membership Director)

NC4RA Ryan and KA0GMY Steve are working on membership cards

Board of Directors continued

W4TAR Tim (Member-at-Large)

The Fuquay-Varina COC will be sponsoring a Hoedown in October; SWARC volunteers are needed for this event

KA0IRG John (Member-at-Large)

KD4OKR Mike (Member-at-Large)

club station coming together; important to maintain identity of both parties in station development
requested board assistance in forming a station committee for tower construction (and related decisions); NC4RA KK4OSI and W4TAR volunteered

Kenn (Public Service Director)

Requested that he be able to manage the public service events on the club web page

Would like to explore the idea of integrating an internal reward program for use with public service events (for example, a free meal at the meeting for "X" number of public service events that a club member worked)

KA0GMY and KK4OSI discussed the addition of public service opportunities to the Coffee News

Important 2015 Upcoming Dates – Ham News & Public Service

July 18, 2015

Cary Amateur Radio Club Swapfest

Harold Ritter Park

301 West Lochmere Drive

Cary, NC 27511

SWARC volunteers for the Cary Swapfest are

KA0GMY W4TAR and KM4KUT

September 5-6, 2015

Roanoke Division Convention(Shelby Hamfest)

Cleveland County Fairgrounds

1751 East Marion Street

Shelby, NC 28150

October 2015

SWARC Swapfest

6400 Johnson Pond Road

Fuquay-Varina, NC 27526

November 15, 2015

JARSFEST

Benson, NC 27504

Tables will be purchased and volunteers

Will be need to work the tables. Miss Denise has helped in the past.

ANY FURTHER BUSINESS

There was no further business

ADJOURNMENT

There being no further business to come before the board the meeting was adjourned at 8:12 p. m.

Respectfully submitted

Nancy Butterfield



Club News
and World
(local) Events

BOARD OF DIRECTORS

President

Steve Mowels -

KA0GMY

Vice President

David Krum -

NW3U

Secretary

Nancy Butterfield -

KM4KUT

Treasurer

Christy

Fernandini -

KJ4AEO

Member-At-Large

Mike Ramsey -

KD4OKR

Member-At-Large

Tim Ruffin -

W4TAR

Member-At-Large

John Lockhart -

KA0IRG

Membership

Chair

Ryan Avery ,

NC4RA

APPOINTED

POSITIONS

Net Manager

Julie Royster -

KT4JR

Special Events

Director

Gino Fernandini -

KI4YXO

Public Service

Director

Kenn Kubacki -

KK4OSI

Christy and Ryan stayed awake Thank you guys



There were times that Steve almost sounded intelligent.
Don't worry those times did not last long.



The board meeting was a great success John stayed
awake (up way past his bed time). Thank you John

The big hit of the meeting though was the attendance

Nancy had a captive crowd to talk to and she did



Notes from the July Meeting

Attendance, as accurate as I could gather.

KA0GMY Steve Mowels
Gloria Mowels
K4ITL Danny Hampton
Rose Hampton
KM4GDU Carl Rasmussen
K9ZLA Dwight "Doc" Cochran
KJ4CVK Kenny Southern
KM4DMO Nick Principe
KM4LBV Steve Driver
KM4LGW Mike Gaither
KK4QDZ Bill Blomgren
K4DRT Mike Stroupe
AB4PP John Paul Keon
KK4OSI Kenn Kubacki
KD4OKR Mike Ramsey
N4RDC Bobby Chandler
K9RII Jim Young
KB4BLU Jim Staley
AJ4NX Adrian Peele
k4MSE Dave Yow
WA4TCJ Al Crawford
NW3U Dave Krum
KI4YXO Gino Fernandini
KA0IRG John Lockhart
W4DBI Charles Galloway
NC4RA Ryan Avery
AK4ATD Roy Vestal
William Dunn
KJ4AEO Christy Fernandini
N4AZR Glenn Crissman
K4AAA Ron Cooney
N4TTN David Sosnin
KB9TIV Barbara Brewer

The Treasury balance was \$3413.28

As of June, there were 117 members.

The following service opportunities were announced.

The VELO 4 Yellow is July 18th in Wake Forest. HAM volunteers are needed for SAG and rest stop support. Meet at the Carolina Ale House at 11685n Northpark Dr., Wake Forest, NC 27587 at 6:30 am. Contact John, AI4RT for details.

The CUP N CONE TOUR is July 25th in Cary, NC. Meet at Panther Creek High School, 6770 McCrimmon Pkwy, Cary, NC, 27519 at 6:45 am. Contact John, AI4RT

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The BIKEFEST is August 8th. There is a link on south-wakearc.com

An announcement was made by JP, AB4PP in reference to Percy Mc Iver, WB4TOK, who is at Duke being treated for lung cancer.

A motion to grant Larry Ward, WD4LCW, one year as an honorary member for service as Santa Claus at no charge to the club, was seconded and passed without opposition.

A motion to raffle off a Yaesu FT857D with 400 tickets at \$5.00 per ticket for our Christmas raffle, was seconded and passed without opposition.
The announced price was \$865.00, minus any rebates available at the time of purchase.

The field day report indicated 502 contacts made. More details will follow. There was a \$200 donation at field day to go towards the club station.

Mr Hampton, K4ITL reported work being performed on the WRAL TV tower. Some of the rigging is causing some noise on the repeater. The noise should subside once the work is completed. Mr Hampton is donating an HF radio for club use at the American Legion post.

There was a total of 898 check ins for the rag chew nets. Bill, KK4QDZ had the highest number of check ins.

The meals were announced and approved without opposition. The schedule is as follows.

August -	Burgers and hot dogs
September -	Pick-nick at the American Legion
October -	Spaghetti
November -	Ham/ with member provided sides
December -	Heavy Hors d'oeuvres
January -	Chili cook off
February -	Pizza
March -	Tacos
April -	Pot Luck
May -	Pick-nick at the American Legion
June -	Pizza
July -	Lasagna

John Paul Keon, AB4PP did a great presentation on QRP. The focus was on choosing the correct antenna and taking advantage of the band conditions. Also, patience being needed as you are "pulled out from the other stations". he spoke of the sense of accomplishment when reaching distant stations on less than one

Notes from July Meeting

of accomplishment when reaching distant stations on less than one watt! He provided numerous pieces of equipment to display.

--
Bradley Norton, KM4JYR

Public Service

KK4OSI Kenn says to keep an eye on the SWARC web page for upcoming events.

Good morning everyone,

Just a reminder that if you are interested in participating in the Ham Public Service SIG net, it is tonight at 7:30pm. Details are at the bottom.

Upcoming Ham Public Service Opportunities:

VELO 4 YELLOW July 18, 2015 - Saturday - Wake Forest, NC Come join us at the Wake Forest Carolina Ale House as Velo4Yellow hits the road for its Fourth Annual Bike Charity Ride. Proceeds from Velo4Yellow will benefit LIVESTRONG in the fight against cancer. Riders can choose from 3 routes: 30, 60, or 100 miles along the scenic country roads north of the Triangle. Enjoy the ride with stocked rest stops, SAG vehicles, medical & mechanical support. Post ride celebration will include a buffet and live music presented by the Carolina Ale House. Ham Volunteers are needed for SAGs and Rest Stop Monitors. * Ham Volunteer Coordinator: John ai4rt * Location: Carolina Ale House, 11685n Northpark Dr., Wake Forest, NC 27587 * Time: Operators Meeting - 6:30 am

CUP N CONE TOUR July 25, 2015 - Saturday - Cary, NC Come celebrate two of our favorite things: Cycling and the best frozen treats in the Triangle. Maple View Farm ice cream or Goodberry's Frozen Custard? Volunteer for the 11th annual Cup 'n Cone Tour and then decide. Benefits the MS Society. * Ham Volunteer Coordinator: John ai4rt * Location: Panther Creek High School, 6770 McCrimmon Pkwy., Cary, NC 27519 * Time: Operators Meeting 6:45 am To volunteer go here: <http://www.rars.org/public-service.php>

The Ham Public Service Net meets on Wednesday at 7:30 pm on the Carolina 440 Link System. We use the following repeaters: 441.725(+)(100) – Raleigh, NC Hub 443.450 (+)(100) – Cane Mt., Snow Camp, NC 444.325 (+)(100) – Holly Springs, NC 444.375 (+)(100) - Henderson, NC 444.550 (+)(100) – Coats, NC 444.775 (+)(100 – Cary, NC 444.875 (+)(100) – Wendell, NC 145.330 (-)(100) – Goldsboro, NC 442.250 (+)(107.2) - McCain/Southern Pines, NC 444.200 (+)(179.9) - Johnsonville, NC 444.025 (+)(100) - Benson, NC 442.425 (+)(100) - Buxton, NC (The net is also accessible through IRLP Reflector 9210) The Ham Public Service Yahoo Group link is: Ham Public Service North Carolina

Thanks and 73,
Kenn
KK4OSI

Membership

As of June there were 117 members. Applications can be obtained off the South Wake Web page.

Treasurers Report

Additions

Donations	\$33.00
Dues	\$377.50
50/50	\$30.25
Raffle	\$560.00 (all tickets sold)
Meal collection	<u>\$132.50</u>
Total additions	<u>\$1,133.50</u>

Reductions

Meal expenses	\$139.64
PCRN Donation	\$500.00
Meal expense field day	<u>\$33.06</u>
Total Reductions	<u>\$672.70</u>

Balance as of 06/01/2015	\$2952.73
Additions	\$1133.25
Reductions	\$ 672.70
Balance as of 06/17/2015	<u>\$3413.28</u>

More pictures



The club meeting was well attended even KJ4CVK made it with the BANANA PUDDING



As you can see everyone managed to stay awake



We even had a visit from a prospective ham and her family



KA0GMY paying attention to AB4PP



AB4PP does a great presentation while KJ4AEO tallies the books

Inside Story Headline



AB4PP brought toys with him



Even the kids were having fun



Most of the sealed batteries that we use for reserve power have a
AMP-HOUR rating.
But what does that mean?

AMP-HOUR = AMPS times HOURS.

So if you want to know how long your battery will last (in a perfect world) you can take the AMP-HOUR rating and divide it by the amps that your device is using.

For example if your radio draws 10 amps and you have a 100AH battery you would have $100/10 = 10$ hours Until the battery was discharged.

Now your radio will probably shut down before that because of the voltage dropping too low for it to operate.

Most newer radios that run on 12v will not work if the voltage drops to say below 11.5 volts. I know my Yaesu ft-2800 will shut down when I try an key up when my battery is that low (reducing the power will help a bit, but not for long)..

So let's say you are needing to do "emergency Coms" This is where the "lowest power needed to make the communication" comes in.

For example if you drop you radio down to 10 watts of power which at 12v is .83 amps

$100AH/.83 \text{ amps} = 120$ hours until the battery is discharged,

And since you are not going to be transmitting continuously you will have much a much longer battery life.

If you only transmitted for 10 mins each hour you would increase your battery life by a factor of 6 times

With a 100AH battery running 10 watts for 10 mins each hour you maximum battery life would be 720 hour or 30 days(until the battery is discharged) in a perfect world (which is never going to happen).

I would cut that in half which would be 15 days and to error on the caution side I would figure 10 days

IF you add a ample solar or other off grid power supply to re-charge your system you would not be running out of power and could run indefinitely

10 watts of power is plenty to get out on HF and enough to get into most repeaters that are not too far away.

Please feel free to discuss this and add any additional comments or questions. Remember there is a tech net Tuesday at 8:00 pm....

73's

--

Carl L. Rasmussen

KM4GDU

9193463077

<http://www.southwakearc.com/>

<http://www.qrz.com/db/KM4GDU>